

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU021225\  
 Data File : VU063252.D  
 Acq On : 12 Feb 2025 13:20  
 Operator : MD/SY  
 Sample : VU0212WBSD01  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0212WBSD01

Manual Integrations  
 APPROVED

Reviewed By : Semsettin Yesilyurt 02/17/2025  
 Supervised By : Mahesh Dadoda 02/17/2025

Quant Time: Feb 13 03:11:27 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\524U021025DW.M  
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
 QLast Update : Tue Feb 11 08:42:19 2025  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon | Response | Conc   | Units    | Dev(Min) |
|------------------------------|--------|------|----------|--------|----------|----------|
| -----                        |        |      |          |        |          |          |
| Internal Standards           |        |      |          |        |          |          |
| 1) Fluorobenzene             | 6.107  | 96   | 51180    | 1.000  | ug/l     | # 0.00   |
| System Monitoring Compounds  |        |      |          |        |          |          |
| 57) 4-Bromofluorobenzene     | 10.627 | 95   | 17310    | 1.025  | ug/l     | 0.00     |
| Spiked Amount 1.000          |        |      | Recovery | =      | 103.000% |          |
| 68) 1,2-Dichlorobenzene-d4   | 12.187 | 152  | 16808    | 0.957  | ug/l     | 0.00     |
| Spiked Amount 1.000          |        |      | Recovery | =      | 96.000%  |          |
| Target Compounds             |        |      |          |        |          |          |
|                              |        |      |          |        |          | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.380  | 85   | 34139    | 2.053  | ug/l     | 100      |
| 3) Chloromethane             | 1.515  | 50   | 39500    | 2.063  | ug/l     | 99       |
| 4) Vinyl Chloride            | 1.599  | 62   | 39806    | 2.101  | ug/l     | 96       |
| 5) Bromomethane              | 1.846  | 94   | 21678    | 2.342  | ug/l     | 95       |
| 6) Chloroethane              | 1.923  | 64   | 24495    | 2.053  | ug/l     | 100      |
| 7) Trichlorofluoromethane    | 2.129  | 101  | 47061    | 2.096  | ug/l     | 98       |
| 8) 1,1,2-Trichloro-1,2,2-... | 2.570  | 101  | 26155    | 2.052  | ug/l     | 97       |
| 9) 1,1-Dichloroethene        | 2.570  | 96   | 26932    | 2.074  | ug/l     | 96       |
| 10) Iodomethane              | 2.711  | 142  | 44058    | 2.158  | ug/l     | 99       |
| 11) Allyl Chloride           | 2.914  | 41   | 37130    | 1.991  | ug/l     | 98       |
| 12) Acrylonitrile            | 3.313  | 53   | 12746m   | 4.256  | ug/l     |          |
| 13) Acetone                  | 2.615  | 43   | 23082    | 10.023 | ug/l     | 98       |
| 14) Carbon Disulfide         | 2.782  | 76   | 92105    | 2.029  | ug/l     | 99       |
| 15) Methylene Chloride       | 3.033  | 84   | 33386    | 2.081  | ug/l     | 100      |
| 16) trans-1,2-Dichloroethene | 3.341  | 96   | 30224    | 2.039  | ug/l     | 98       |
| 17) 1,1-Dichloroethane       | 3.853  | 63   | 57716    | 2.066  | ug/l     | 99       |
| 18) 2-Butanone               | 4.698  | 43   | 33717    | 9.200  | ug/l     | 98       |
| 19) Cyclohexane              | 5.373  | 56   | 44849m   | 1.998  | ug/l     |          |
| 20) Methylcyclohexane        | 6.750  | 83   | 45015    | 2.022  | ug/l     | 98       |
| 21) 2,2-Dichloropropane      | 4.650  | 77   | 45151    | 2.072  | ug/l     | 99       |
| 22) cis-1,2-Dichloroethene   | 4.660  | 96   | 34321    | 2.143  | ug/l     | 98       |
| 23) Diethyl Ether            | 2.367  | 59   | 23235    | 2.085  | ug/l     | 97       |
| 24) tert-Butyl Alcohol       | 3.165  | 59   | 24034    | 15.625 | ug/l     | # 94     |
| 25) Methyl tert-Butyl Ether  | 3.348  | 73   | 65478    | 2.019  | ug/l     | 98       |
| 26) Bromochloromethane       | 4.959  | 128  | 14577    | 2.083  | ug/l     | 100      |
| 27) Chloroform               | 5.071  | 83   | 60016    | 2.129  | ug/l     | 98       |
| 28) 1,1,1-Trichloroethane    | 5.300  | 97   | 47367    | 2.074  | ug/l     | 98       |
| 29) 1,1-Dichloropropene      | 5.515  | 75   | 42057    | 2.056  | ug/l     | 99       |
| 30) Carbon Tetrachloride     | 5.512  | 117  | 41248    | 2.106  | ug/l     | 98       |
| 31) Isopropyl Ether          | 3.978  | 45   | 80738    | 2.025  | ug/l     | 96       |
| 32) Ethyl-t-butyl ether      | 4.486  | 59   | 74455    | 2.053  | ug/l     | 99       |
| 33) Tert-Amyl methyl ether   | 5.927  | 73   | 65827    | 2.077  | ug/l     | 99       |
| 34) Propionitrile            | 4.775  | 54   | 10831    | 9.798  | ug/l     | # 74     |
| 35) Benzene                  | 5.763  | 78   | 129848   | 2.065  | ug/l     | 99       |
| 36) 1,2-Dichloroethane       | 5.782  | 62   | 38095    | 2.099  | ug/l     | 99       |
| 37) Trichloroethene          | 6.534  | 130  | 31471    | 2.104  | ug/l     | 98       |
| 38) 1,2-Dichloropropane      | 6.779  | 63   | 34356    | 2.087  | ug/l     | 99       |
| 39) Methacrylonitrile        | 4.968  | 41   | 7822     | 1.899  | ug/l     | 90       |
| 40) Methyl acrylate          | 4.853  | 55   | 15431m   | 2.032  | ug/l     |          |
| 41) Tetrahydrofuran          | 5.052  | 42   | 9203     | 3.841  | ug/l     | 99       |
| 42) 1-Chlorobutane           | 5.447  | 56   | 56138    | 2.006  | ug/l     | 96       |
| 43) Dibromomethane           | 6.910  | 93   | 17301    | 2.076  | ug/l     | 96       |
| 44) Bromodichloromethane     | 7.094  | 83   | 40765    | 2.101  | ug/l     | 96       |

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 Sample : VU0212WBSD01  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0212WBSD01

Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 02/17/2025  
 Supervised By :Mahesh Dadoda 02/17/2025

Quant Time: Feb 13 03:11:27 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\524U021025DW.M  
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
 QLast Update : Tue Feb 11 08:42:19 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 45) 4-Methyl-2-Pentanone      | 7.779  | 43   | 84886    | 9.715  | ug/l  | 99       |
| 46) t-1,4-Dichloro-2-butene   | 10.820 | 75   | 16629m   | 4.048  | ug/l  |          |
| 47) Methyl methacrylate       | 6.952  | 69   | 28606    | 4.075  | ug/l  | 96       |
| 48) Ethyl methacrylate        | 8.325  | 69   | 25786    | 1.956  | ug/l  | 95       |
| 49) Toluene                   | 7.959  | 92   | 74526    | 2.061  | ug/l  | 99       |
| 50) t-1,3-Dichloropropene     | 8.203  | 75   | 36777    | 2.071  | ug/l  | 98       |
| 51) cis-1,3-Dichloropropene   | 7.598  | 75   | 43806    | 1.997  | ug/l  | 95       |
| 52) 1,1,2-Trichloroethane     | 8.389  | 97   | 23471    | 2.089  | ug/l  | 96       |
| 53) 1,3-Dichloropropane       | 8.563  | 76   | 40985    | 2.054  | ug/l  | 100      |
| 54) 2-Hexanone                | 8.676  | 43   | 54296    | 9.106  | ug/l  | 97       |
| 55) Dibromochloromethane      | 8.798  | 129  | 26971    | 2.086  | ug/l  | 97       |
| 56) 1,2-Dibromoethane         | 8.917  | 107  | 21945    | 2.082  | ug/l  | 99       |
| 58) Tetrachloroethene         | 8.544  | 164  | 26364    | 2.139  | ug/l  | 97       |
| 59) Chlorobenzene             | 9.438  | 112  | 80285    | 2.104  | ug/l  | 100      |
| 60) 1,1,1,2-Tetrachloroethane | 9.521  | 131  | 28939    | 2.110  | ug/l  | 99       |
| 61) Pentachloroethane         | 11.415 | 117  | 24586    | 2.006  | ug/l  | 96       |
| 62) Hexachloroethane          | 12.463 | 117  | 21415    | 1.975  | ug/l  | 99       |
| 63) Ethyl Benzene             | 9.560  | 91   | 131789   | 2.002  | ug/l  | 99       |
| 64) m/p-Xylenes               | 9.685  | 106  | 99562    | 4.050  | ug/l  | 98       |
| 65) o-Xylene                  | 10.090 | 106  | 50162    | 2.084  | ug/l  | 99       |
| 66) Styrene                   | 10.106 | 104  | 76780    | 2.005  | ug/l  | 98       |
| 67) Bromoform                 | 10.280 | 173  | 15038    | 2.049  | ug/l  | 98       |
| 69) Isopropylbenzene          | 10.473 | 105  | 115836   | 2.047  | ug/l  | 98       |
| 70) 1,1,2,2-Tetrachloroethane | 10.772 | 83   | 30615    | 2.021  | ug/l  | 96       |
| 71) 1,2,3-Trichloropropane    | 10.814 | 75   | 20581m   | 1.809  | ug/l  |          |
| 72) Bromobenzene              | 10.775 | 156  | 31609    | 2.073  | ug/l  | 86       |
| 73) n-propylbenzene           | 10.894 | 120  | 31375    | 1.937  | ug/l  | 97       |
| 74) 2-Chlorotoluene           | 10.975 | 126  | 29907    | 2.003  | ug/l  | 96       |
| 75) 1,3,5-Trimethylbenzene    | 11.077 | 105  | 105820   | 2.018  | ug/l  | 99       |
| 76) 4-Chlorotoluene           | 11.090 | 126  | 31442    | 2.054  | ug/l  | 95       |
| 77) tert-Butylbenzene         | 11.409 | 119  | 108063   | 2.038  | ug/l  | 98       |
| 78) 1,2,4-Trimethylbenzene    | 11.457 | 105  | 101607   | 1.953  | ug/l  | 98       |
| 79) sec-Butylbenzene          | 11.634 | 105  | 138797   | 2.056  | ug/l  | 99       |
| 80) Nitrobenzene              | 13.222 | 77   | 3316m    | 10.663 | ug/l  |          |
| 81) p-Isopropyltoluene        | 11.782 | 119  | 104541   | 1.962  | ug/l  | 98       |
| 82) 1,3-Dichlorobenzene       | 11.737 | 146  | 60800    | 2.056  | ug/l  | 100      |
| 83) 1,4-Dichlorobenzene       | 11.827 | 146  | 60154    | 2.080  | ug/l  | 99       |
| 84) n-Butylbenzene            | 12.200 | 91   | 88457    | 1.852  | ug/l  | 99       |
| 85) 1,2-Dichlorobenzene       | 12.206 | 146  | 57516    | 2.024  | ug/l  | 98       |
| 86) 1,2-Dibromo-3-Chloropr... | 12.991 | 75   | 4329     | 2.036  | ug/l  | 94       |
| 87) 1,2,4-Trichlorobenzene    | 13.833 | 180  | 26285    | 1.896  | ug/l  | 94       |
| 88) Hexachlorobutadiene       | 14.010 | 225  | 20626    | 2.082  | ug/l  | 99       |
| 89) Naphthalene               | 14.084 | 128  | 41502    | 1.996  | ug/l  | 99       |
| 90) 1,2,3-Trichlorobenzene    | 14.322 | 180  | 26436    | 1.949  | ug/l  | 99       |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

